

SCC-C6323

SCC-C6325

SCC-C7325

10x Mini Smart Dome Camera

user manual

ENG

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SPA



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imagine the possibilities

Thank you for purchasing this Samsung product.
To receive more complete service,
please register your product at
www.samsung.com/global/register

SAMSUNG

Safety information

	CAUTION RISK OF ELECTRIC SHOCK. DO NOT OPEN	
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE REAR COVER. NO USER SERVICEABLE PARTS INSIDE. REFER TO QUALIFIED SERVICE PERSONNEL..		



This symbol indicates high voltage is present inside. It is dangerous to make any kind of contact with any inside part of this product.



This symbol alerts you that important literature concerning operation and maintenance has been included with this product.

WARNING

- To prevent damage which may result in fire or electric shock hazard, do not expose this appliance to rain or moisture.

WARNING

1. Be sure to use only the standard adapter that is specified in the specification sheet. Using any other adapter could cause fire, electrical shock, or damage to the product
2. Incorrectly connecting the power supply or replacing battery may cause explosion, fire, electric shock, or damage to the product.
3. Do not connect multiple cameras to a single adapter. Exceeding the capacity may cause abnormal heat generation or fire.
4. Securely plug the power cord into the power receptacle. Insecure connection may cause fire.
5. When installing the camera, fasten it securely and firmly. A falling camera may cause personal injury.
6. Do not place conductive objects (e.g. screwdrivers, coins, metal things, etc.) or containers filled with water on top of the camera. Doing so may cause personal injury due to fire, electric shock, or falling objects.
7. Do not install the unit in humid, dusty, or sooty locations. Doing so may cause fire or electric shock.
8. If any unusual smells or smoke come from the unit, stop using the product. In such case, immediately disconnect the power source and contact the service center. Continued use in such a condition may cause fire or electric shock.
9. If this product fails to operate normally, contact the nearest service center. Never disassemble or modify this product in any way. (SAMSUNG is not liable for problems caused by unauthorized modifications or attempted repair.)
10. When cleaning, do not spray water directly onto parts of the product. Doing so may cause fire or electric shock.
11. If the camera is installed or rebooted after power failure when ambient temperature is below the freezing point, the dome cover is frosted. In this case, the frost will be disappeared after 3 hours after turning on the power. (It is noted that lowest guaranteed operating temperature is -45° C (-49° F) without wind.)

Safety information

CAUTION

1. Do not drop objects on the product or apply strong shock to it. Keep away from a location subject to excessive vibration or magnetic interference.
2. Do not install in a location subject to high temperature (over 50°C), low temperature (below -10°C), or high humidity. Doing so may cause fire or electric shock.
3. If you want to relocate the already installed product, be sure to turn off the power and then move or reinstall it.
4. Remove the power plug from the outlet when there is a lightning. Neglecting to do so may cause fire or damage to the product.
5. Keep out of direct sunlight and heat radiation sources. It may cause fire.
6. Install it in a place with good ventilation.
7. Avoid aiming the camera directly towards extremely bright objects such as sun, as this may damage the CCD image sensor.
8. Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.
9. The Mains plug is used as a disconnect device and shall stay readily operable at any time.

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Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus.
13. Unplug this apparatus when a card is used. Use caution when moving the cart/ apparatus combination to avoid injury from tip-over.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as powersupply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



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Introduction

FEATURES

❖ Camera Specifications

- CCD Sensor : 1/4" Interline Transfer CCD
- Zoom Magnification : x10 Optical Zoom, x10 Digital Zoom (Max x 100 Zoom)
- Day & Night Function
- Various Focus Mode: Auto-Focus / Manual Focus / Semi-Auto Focus.
- Independent or General Camera Characteristic Setup in Preset operation

❖ Powerful Pan/Tilt Functions

- Max. 360°/sec high speed Pan/Tilt Motion
- Using Vector Drive Technology, Pan/Tilt motions are accomplished in a shortest path. As a result, time to target view is reduced dramatically and the video on the monitor is very natural to watch.
- For jog operation using a controller, since ultra slow speed 0.05°/sec can be reached, it is very easy to locate camera to desired target view.
- Owing to zoom-proportional pan/tilt speed, camera can be moved to a desired position in accurate manner even though zoom ratio is high.

❖ Preset, Pattern, Auto Pan, Scan, Privacy Mask, Schedule and More...

- MAX. 127 Presets are assignable and characteristics of each preset can be set up independently, such as White Balance, Auto Exposure, Label and so on.
- Max. 8 Auto Pan can be stored. This enables to move camera repetitively between two preset positions with designated speed.
- Max. 4 of Patterns can be recorded and executed. This enables for camera to track a surveillance trajectory as closely as possible which are recorded from operator's motion of joystick.
- Max. 8 Scan can be stored. To compose a surveillance trajectory, the Group can have max. 20 entities of Preset/Pattern/Scan functions. This enables for camera to move a combinations of those functions repetitively.
- Max. 4 Masks are settable independently to protect privacy zone. The mask is arbitrary-sized rectangular and locate any location in view space.

- 7 rules of Schedule can be assigned by day and time. Appropriate actions (such as Home, Preset, Auto Pan, Pattern, Scan) can be defined for each rule. Also, it is possible to make rule by Weekday and Allday to simplify the rule.

❖ PTZ(Pan/Tilt/Zoom) Control

- With RS-485 communication, max. 255 of cameras can be controlled at the same time.
- Pelco-D/ Pelco-P, Samsung protocol can be selected as a control protocol in the current version of firmware.

❖ OSD(On Screen Display) Menu

- OSD menu is provided to display the status of camera and to configure the functions interactively.
- Currently, 7 Languages are supported for OSD Menu: [ENGLISH/ESPAÑOL/FRANÇAIS/DEUTSCH/ITALIANO/РУССКИЙ/PORTUGUÊS]
- The information such as Camera ID, Pan/Tilt/Zoom/Direction, Alarm Input & Output, date/time, current temperature and Preset can be displayed on screen.
- Each display item can be turned On or Off independently.

❖ Alarm I/O Functions

- 2 alarm sensor Inputs and 1 relay output are available.
- To reject external electric noise and shock perfectly, alarm sensor Input is decoupled with photo coupler.
- If an external sensor is activated, camera can be set to move to the corresponding Preset position.
- Relay output can be assigned to work with a certain preset.

❖ Reserved Presets for Special Purpose

- Besides regular 127 presets, direct calling of reserved presets enables to set up many of camera functions with without using OSD menu. For more information, refer to "Reserved Preset" in this manual.

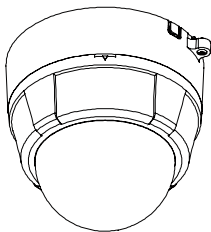
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Introduction

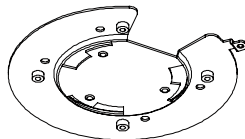
PRODUCT & ACCESSORIES

❖ Product & Accessories (SCC-C6323)

- Main Product



Main Body

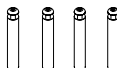


Surface Mount Bracket

- Accessory



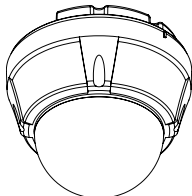
Manual



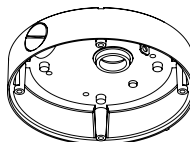
Screw & Plastic Anchor (4Pcs)

❖ Product & Accessories (SCC-C6325)

- Main Product

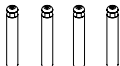


Main Body



Surface Mount Bracket

- Accessory



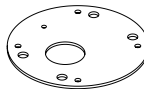
Screw & Plastic Anchor (4Pcs)



Terminal Block



Torx Screw Driver



Surface Mount Gasket



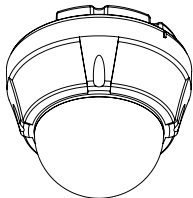
Manual

※ Mount Bracket Option : Please use SADT-937WM for this purpose.

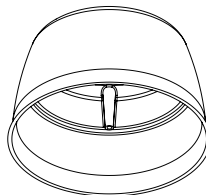
Introduction

❖ Product & Accessories (SCC-C7325)

- Main Product



Main Body



Sun Shield Housing

- Accessory



Terminal Block



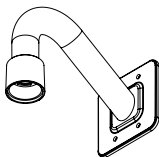
Torx Screw Driver



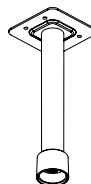
Manual

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- Mount Bracket Option



Wall Mount Bracket (SADT-732WM)

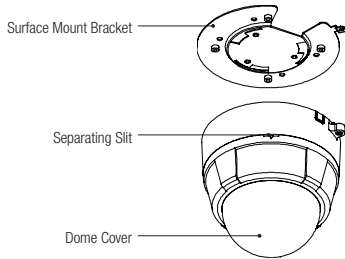


Ceiling Mount Bracket (SADT-732CM)

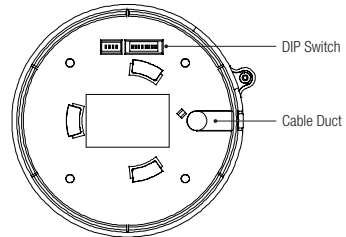
Introduction

PARTS NAME & FUNCTIONS

❖ SCC-C6323



Main Unit / Surface Mount Bracket



Back of Main Unit

- Surface Mount Bracket

This is used to install the camera directly on the ceiling. After separating this cover first and then attach this directly to ceiling. Camera must be assembled at the last stage.
Do not use this bracket when installing camera on the wall with wall mount bracket or on the ceiling with ceiling mount bracket.

- Separating Slit

Using a coin, you can separate upper part lower body of the dome.

- Dome Cover

Do not detach protection vinyl from dome cover before finishing all installation process to protect dome cover from scratches or dust.

- DIP Switch

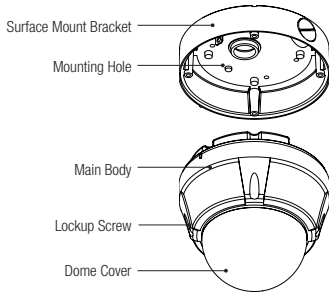
Adjusts camera ID and protocols.

- Cable Duct

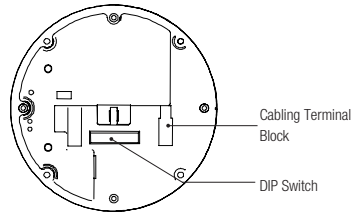
When you want to install the camera on the surface of hard ceiling, you need to handle the cable through side of the dome. In this case, break the side wall bit and make the cable pass through the cable duct.

Introduction

❖ SCC-C6325



Main Unit / Surface Mount Bracket



Back of Main Unit

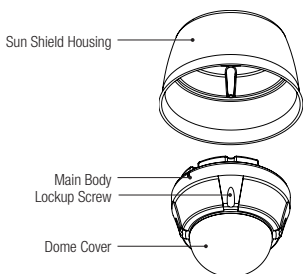
- **Dome Cover**
Do not remove the protection vinyl from dome cover before finishing all installation process to protect dome cover from scratches or dust.
- **Surface Mount Bracket**
This is used to install the camera directly on the ceiling. After separating this cover, mount this bracket on to ceiling. Main body of the camera is going to be assembled again in the last stage. Do not use this bracket with wall mount bracket or ceiling mount bracket.
- **Lockup Screw**
Fixes main unit brackets like surface, wall, and ceiling.
- **Cabling Terminal Block**
During installation, Power, Video, Communication, Alarm Input cables are connected on to this cabling terminal block.
- **DIP Switch**
Adjusts camera ID and protocols.

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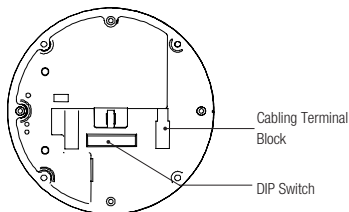
Introduction

PARTS NAME & FUNCTIONS

❖ SCC-C7325



Main Unit / Surface Mount Bracket



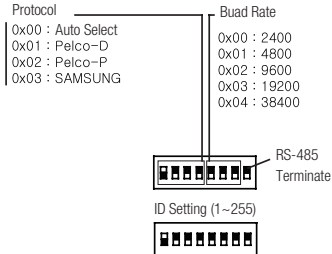
Back of Main Unit

- Dome Cover
Do not remove the protection vinyl from dome cover before finishing all installation process to protect dome cover from scratches or dust.
- Sun Shield Housing
- Lockup Screw
Fixes main unit brackets like surface, wall, and ceiling.
- Cabling Terminal Block
During installation, Power, Video, Communication, Alarm Input cables are connected on to this cabling terminal block.
- DIP Switch
Adjusts camera ID and protocols.

Installation

DIP SWITCH SETUP

Before you install the camera, you should set the DIP switches to configure the camera ID, Baud rate, and communication protocol.



❖ Camera ID Setup

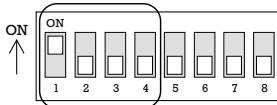


- ID number of camera is set using binary number. The example is shown below.

Pin	1	2	3	4	5	6	7	8
ID Value	1	2	4	8	16	32	64	128
ex) ID=5	on	off	on	off	off	off	off	off
ex) ID=10	off	on	off	on	off	off	off	off

- The range of ID is 0~255. Factory default of Camera ID is 1.
- If you want to control a certain camera, you must match the camera ID with Cam ID setting of DVR or Controller.

❖ Communication Protocol Setup

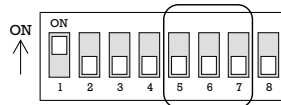


- Select the appropriate Protocol with DIP switch combination.

Switch State				Protocol
Pin1	Pin2	Pin3	Pin4	
OFF	OFF	OFF	OFF	Auto Protocol
ON	OFF	OFF	OFF	Pelco-D
OFF	ON	OFF	OFF	Pelco-P
ON	ON	OFF	OFF	Samsung

- If you set the protocol as Auto Protocol, camera will automatically recognize the kind of Protocol.
- Auto Protocol supports Pelco-D and Samsung Protocol.
- If you want to control using DVR or system keyboard, their protocol must be identical to camera. Otherwise, you can not control the camera.
- If you changed camera protocol by changing DIP S/W, the change will be effective after you reboot the camera.
- Factory default of protocol is "Auto Protocol"

❖ Communication Baud rate Setup



- Select the appropriate Baud rate with DIP switch combination.

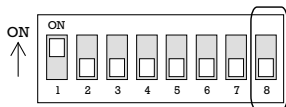
Switch State			Protocol
Pin5	Pin6	Pin7	
OFF	OFF	OFF	2400 BPS
ON	OFF	OFF	4800 BPS
OFF	ON	OFF	9600 BPS
ON	ON	OFF	19200 BPS
OFF	OFF	ON	38400 BPS

- Factory default of Baud rate is "9600 BPS"

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Installation

❖ RS-485 Termination Resistor



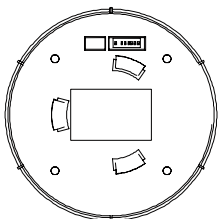
- Pin 8 is used for ON/OFF of RS-485 Termination. Normally, it must be OFF state. Especially when you have trouble with long Daisy chain style connection, turn ON this termination switch of last camera.

– Pin 8 RS-485 Termination Resistor (On/Off)

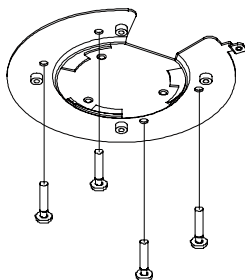
INSTALLATION USING SURFACE MOUNT ON THE CEILING

❖ SCC-C6323

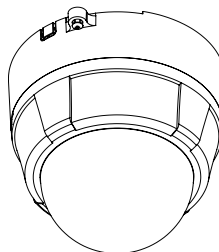
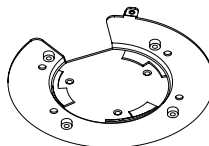
- ① Setup DIP Switch (see previous page).



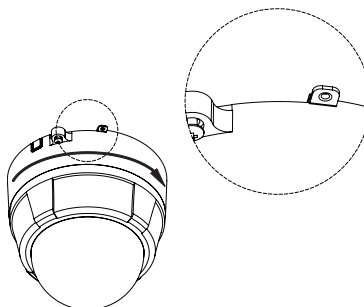
- ② Screw surface mount bracket to ceiling with 4 screws.



- ③ Placing lower body to Surface Mount bracket. The cable must be properly handled into hole of bracket or side of lower body.

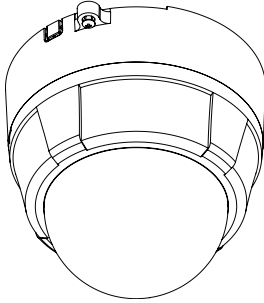


- ④ Make sure stopper pin of bracket pin is located the rightmost side of lower body groove as shown in the picture. Press the dome and turn clockwise till the pin is located leftmost side of groove. Detach protection vinyl from dome cover.



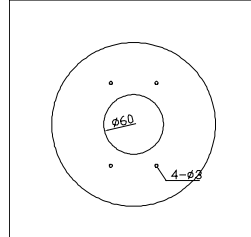
Installation

- ⑤ Tighten locking screw.

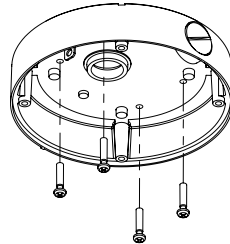


❖ SCC-C6325

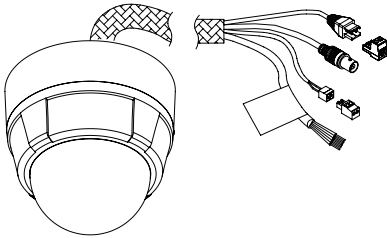
- ① To pass cables to upside of ceiling, please, make about $\phi 60$ mm hole on the ceiling panel.



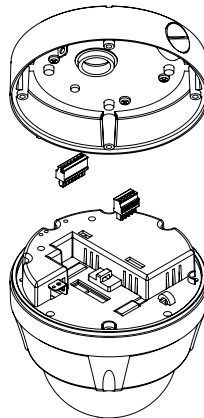
- ② Screw surface mount bracket to ceiling with 4 screws.



- ⑥ Connect Video, communication, power cable properly. (see next section)



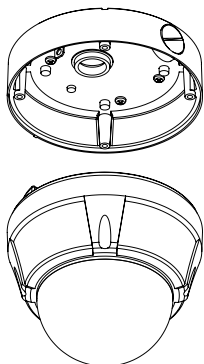
- ③ Wire cables to terminal block and connect the terminal blocks to main unit.



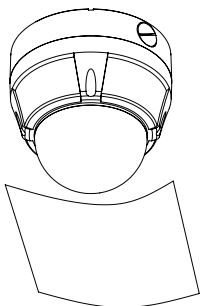
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Installation

- ④ Screw main unit to surface mount bracket with 4 lock-up screws.

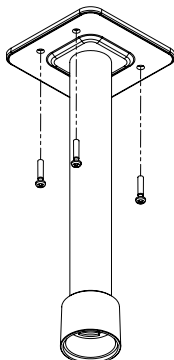


- ⑤ Detach protection vinyl from dome cover.

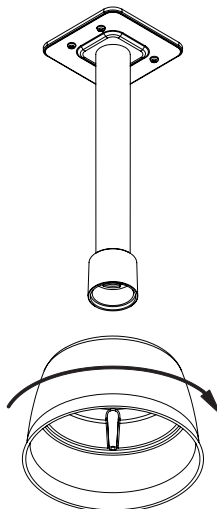


INSTALLATION USING CEILING MOUNT BRACKET (SCC-C7325)

- ① Install ceiling mount bracket on the ceiling using 4 screws provided.

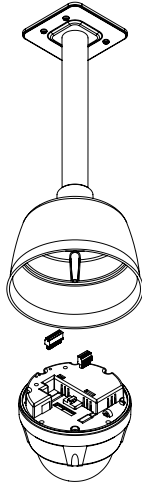


- ② Turn sunshield clockwise after locating it in the pipe head of ceiling mount properly.

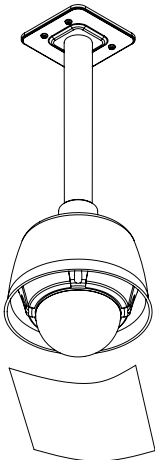


Installation

- ③ After wiring cables to terminals, plug the terminals into the bottom of main unit. Then, fix the main unit with sunshield with 4 screws.

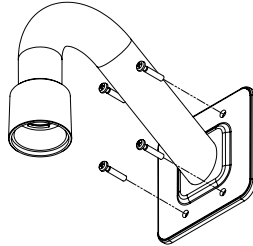


- ④ Detach protection vinyl from dome cover.

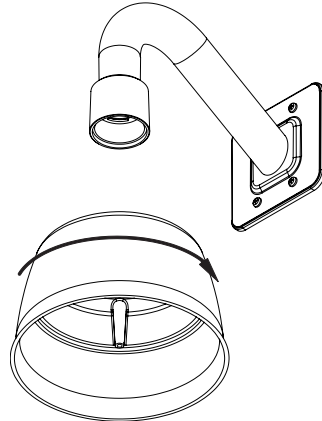


INSTALLATION USING WALL MOUNT BRACKET (SCC-C7325)

- ① Use the 4 screws (provided) to secure the wall mount bracket to the wall.



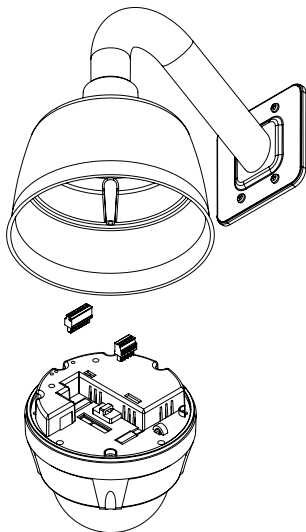
- ② Turn sunshield clockwise after locating it in the pipe head of wall mount properly.



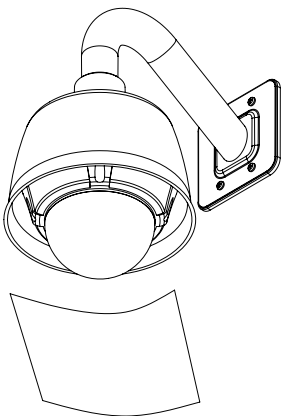
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Installation

- ③ After wiring cables to terminals, plug the terminals into the bottom of main unit. Then, fix the main unit with sunshield with 4 screws.



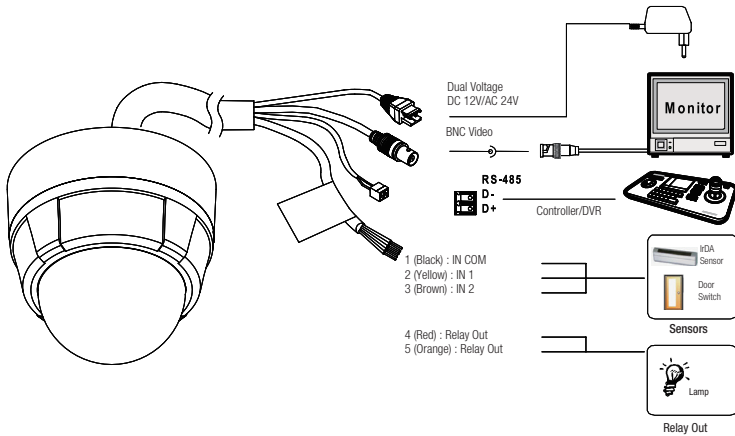
- ④ Detach protection vinyl from dome cover.



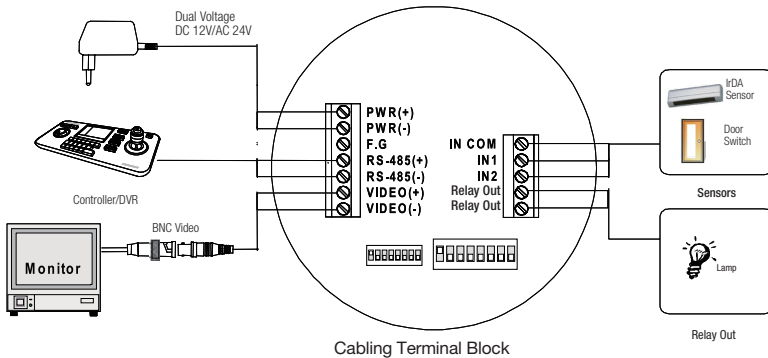
Installation

CABLING

❖ SCC-C6323



❖ SCC-C6325/ SCC-C7325



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Installation

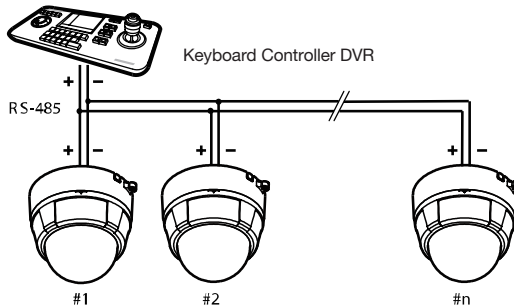
❖ Power Connection

- Please, check the voltage and current capacity of rated power carefully. Rated power is indicated in the back of main unit.

Power Mode	Input Voltage Range	Power Consumption	
		C6323/ C6325	C7325
DC 12V	DC 11V ~ 15V	8 W	12W
AC24V	AC 20V ~ 29V	10W	21W

❖ RS-485 Communication

- For PTZ control, connect this line to keyboard and DVR. To control multiple cameras at the same time, RS-485 communication lines of them is connected in parallel as shown below.

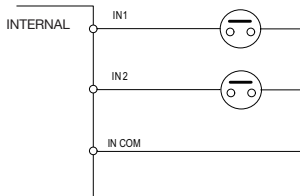


❖ Video Connection

- Connect with BNC coaxial cable.

❖ Alarm Input Connection

- Sensor Input

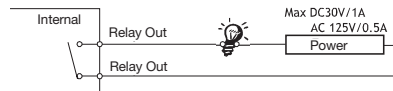


⚠ It is noted that short circuit between GND and Input pin means alarm activation.

If you want to use Alarm Input, the types of sensor must be selected in OSD menu. The sensor types are Normal Open and Normal. If sensor type is not selected properly, the alarm can be activated reversely.

Normal Open (N.O)	Sensor output is turned ON when sensor is activated
Normal Close (N.C)	Sensor output is turned OFF when sensor is activated

- Relay Output



There are 4 Alarm Outputs and all of them are Relay contact type. Therefore, you do not have to care about polarity, AC/DC, and isolations between channels. Care must be taken for the power capacity of relay contact written above.

CHECK POINTS BEFORE OPERATION

- Before power is applied, please check the cables carefully.
- The camera ID of the controller must be identical to that of the camera to be controlled. The camera ID can be checked in the System Information of OSD Menu.
- If your controller supports multi-protocols, the protocol must be changed to match to that of the camera.
- If you changed camera protocol by changing DIP switch, the change will be effective after you reboot the camera.
- Since the operation method can be different for each controller available, refer to the manual for your controller if camera can not be controlled properly.

PRESET AND PATTERN FUNCTION PRE-CHECK

- Check how to operate Preset, Scan, Auto Pan and Pattern function with controller or DVR in advance to operate camera function using them. (refer to your System keyboard Manual)
- If controller or DVR has no pattern button or function, use shortcut keys with preset numbers. For more information, refer to "Reserved Preset" in this manual.

AUTO CALIBRATION

- If the camera is continuously subjected to very high temperature (over 50°C or 122°F) environment for a long time, it is possible for the camera to lose focus. As a result, you will get blurry image. In this case, it is recommended to turn on "AUTO CALIBRATION" by running Preset 165.
- If you execute AUTO CALIBRATION, camera will calibrate its focus at every 6 hours. To turn off this function, please, Run Preset 166.

STARTING OSD MENU

- Function
Using the OSD menu, Preset, Pattern, Auto Pan, Scan and Alarm Input function can be configured for each application.
- Enter Menu
<Go Preset> [95]

RESERVED PRESET

- Description
Some Preset numbers are reserved for direct access to specific functions in OSD menu. These direct commands via preset provide quick execution of

various functions using keyboard controller as well as simplify the interface with DVR and IP equipments.

- Function

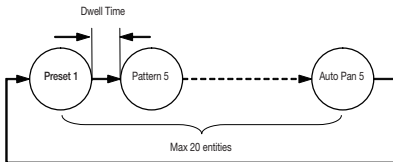
<Go Preset> [95]	: Enters into OSD menu
<Go Preset> [131~134]	: Runs Pattern Function 1 ~ 4
<Go Preset> [141~148]	: Runs Auto Pan Function 1 ~ 8
<Go Preset> [151~158]	: Runs Scan Function 1 ~ 8
<Go Preset> [161]	: Sets Relay Output to OFF
<Set Preset> [161]	: Sets Relay Output to ON
<Go Preset> [165]	: Auto Calibration ON
<Go Preset> [166]	: Auto Calibration OFF
<Go Preset> [167]	: Zoom Proportional Jog ON
<Set Preset> [167]	: Zoom Proportional Jog OFF
<Go Preset> [170]	: Sets Camera BLC Mode to OFF
<Set Preset> [171]	: Sets Camera BLC Mode to HIGH
<Go Preset> [174]	: Sets Camera Focus Mode to AUTO
<Go Preset> [175]	: Sets Camera Focus Mode to Manual
<Go Preset> [176]	: Sets Camera Focus Mode to SEMI-AUTO
<Go Preset> [177]	: Sets Day & Night Mode to AUTO1
<Go Preset> [178]	: Sets Day & Night Mode to NIGHT
<Go Preset> [179]	: Sets Day & Night Mode to DAY
<Go Preset> [190]	: Sets OSD Display Mode to AUTO (Except Privacy Mask)
<Go Preset> [191]	: Sets OSD Display Mode to OFF (Except Privacy Mask)
<Go Preset> [192]	: Setting OSD Display Mode to ON (Except Privacy Mask)
<Go Preset> [193]	: Sets all Privacy Mask Display to OFF
<Go Preset> [194]	: Sets all Privacy Mask Display to ON
<Go Preset> [195]	: Heater ON (Turn off after 5mins and switch to Auto mode)
<Go Preset> [196]	: Heater OFF (Turn off and switch to Manual mode)
<Go Preset> [197]	: Fan ON (Turn off after 5mins and switch to Auto mode)
<Go Preset> [198]	: Fan OFF (Turn off and switch to Manual mode)
<Go Preset> [200]	: Digital Zoom ON
<Go Preset> [201]	: Digital Zoom OFF

Operation

- Run Pattern
Method 1) <Run Pattern> [Pattern NO.]
ex) Run Pattern 2 : <Run Pattern> [2]
Method 2) <Go Preset> [Pattern NO.+130]
ex) Run Pattern 2: <Go Preset> [132]
- Delete Pattern
Use OSD menu to delete a Pattern.
- ✓ When the pattern is saved or executed, the PAN/TILT is operated with Auto Flip OFF mode.

SCAN

- Function
The Scan function allows running sequence of Presets, Patterns and/or Auto Pans. Max 8 Scan can be stored. Each Scan can have max 20 action entities which can be preset, pattern or Auto Pan. Dwell time means the time interval between actions and is adjustable in the menu. Besides, there is an option number with which Preset speed as well as the repetition number of Pattern and Auto Pan can be set up.



- Set Scan
Use OSD Menu to create a Scan .
- Run Scan
Method1) <Run Scan> [Scan No.]
ex) Run Scan 2 : <Run Scan> [2]
Method2) <Run Preset> [Scan No.+150]
ex) Run Scan 2 : <Run Preset> [152]
- Delete Scan
Use OSD Menu to delete.

SCHEDULE

- Function
The Schedule function allows running an appropriate function like Preset, Auto Pan, Pattern, Scan, Home move at designated day and time. For example, if you setup a rule Tuesday at 9:00AM and Preset 1 (say Main Gate), the camera will move to main gate every

Tuesday at 9:00AM. If you choose Weekday, camera will move to Main gate everyday except weekend. It is noted that due to the real time clock, the time data will be kept regardless of blackout. The initial time and day setup is essential to proper Schedule function.

- Set Schedule
Use OSD Menu to create a Schedule
- Run Schedule
Use OSD Menu of Schedule Master Enable
- Delete Schedule
Use OSD Menu to delete.

OTHER FUNCTIONS

- Preset Lock
This function is made to protect preset data from unauthorized overwriting. If Preset Lock is ON, Preset save command using Hot Key is disabled while Preset save using OSD Menu is acceptable.
- Power Up Action
This function enables to resume the last action executed before power down. Most of actions such as Preset, Pattern, Auto Pan and Scan are available for this function but Jog actions are not available to resume.
- Auto Flip
In case that tilt angle arrives at the top of tilt orbit (90°), zoom module camera keep moving to opposite tilt direction (180°) to keep tracing targets. As soon as zoom module camera passes through the top of tilt direction (90°), images should be reversed automatically and [E] appears in screen. If this function is set to OFF, tilt movement range is 0 ~ 90°.
- Parking Action
This function enables to locate the camera to specific position automatically if operator doesn't operate the controller for a while. The Park Time can be defined as an interval from 1 minute to 4 hours.
- Alarm Input
2 Alarm Inputs are used. If an external sensor is activated, camera can be set to move to corresponding preset position. It is noted that the latest alarm input is effective if multiple sensors are activated.

ENG

Operation

- Privacy Zone Mask

To protect privacy, MAX. 4 Privacy Masks can be created on the arbitrary position to hide objects such as windows, shops or private house. With Spherical Coordinates system, powerful Privacy Zone Mask function is possible.

- GENERAL/SPECIAL Image Setup

WB(White Balance) and AE(Auto Exposure) can be set up independently for each preset. There are 2 modes, "General" mode & "Special" mode. The General mode means that WB or AE can be set up totally and simultaneously for all presets in "ZOOM CAMERA SETUP" menu. The Special mode means that WB or AE can be set up independently or separately for each preset in each preset setup menu. Each Special WB/AE value should activate correspondingly when camera arrives at each preset location.

During jog operation, General WB/AE value should be applied. All Special WB/AE value will not be changed regardless of General WB/AE value change.

- Semi Auto Focus

This mode enables to switch focus mode automatically operation by operation. Manual focus mode is selected during preset operation and Auto focus mode is recovered if jog operation is started. During Preset action, instead of auto focusing, manual focus data stored when it is created will be applied as soon as camera arrives to the preset. This is helpful to get well-focused image in a short time.

- P/T/Z INFORMATION

Current Pan/Tilt angle in degree, zoom magnification and a compass direction.

- Camera ID

Current Camera ID(Address).

- Action Title

Followings are possible Action Titles and their meaning.

"SET PRESET xxx"	When Preset xxx is stored
"PRESET xxx"	When camera reach to Preset xxx
"PATTERN x"	When Pattern x is in action
"AUPx/PRESET XXX"	When Auto Pan x is in action
"UNDEFINED"	When undefined function is called to run

- Preset Label

The Label stored for specific Preset.

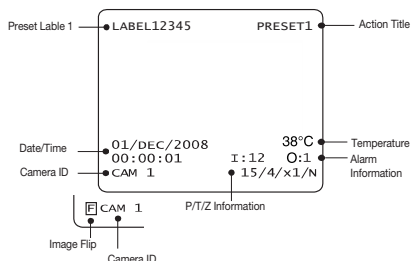
- Alarm Information

This information shows current state of Alarm Input. The "I" means Input and "O" is output. If an Input is **ON** state it will show the number of input. If an Input is **OFF** state, '-' will be displayed. In the same way "O:1" means output 1 is ON "O:-" is OFF.

Ex) When Point 2 of inputs are **ON**, and Output 1 is On, OSD will show as below

I : -2 O : 1

OSD DISPLAY OF MAIN SCREEN



- Image Flip

Shows that images are currently reversed by Auto Flip Function.

- Temperature

Current Temperature: Boxed "C" and "F" means Celsius and Fahrenheit respectively

- Date/Time

Displays Current Date and Time.

How to use OSD Menu

GENERAL RULES OF KEY OPERATION FOR MENU

- The menu item surrounded with < > always means it has its sub menu.
- For all menu level, to go into sub menu, press **NEAR** or **ENTER** key.
- To go to up-one-level menu, press **FAR** key.
- To move from items to item in the menu, use joystick in the **Up/Down** or **Left/Right**.
- To change a value of an item, use **Up/Down** of the joystick in the controller.
- Press **NEAR** or **ENTER** key to save values and Press **FAR** key to cancel values.

MAIN MENU

```
ROOT MENU
-----
-> <SYSTEM INFORMATION>
  <DISPLAY SETUP>
  <MOTION SETUP>
  <FUNCTION SETUP>
  <CAMERA SETUP>
  <SYSTEM SETUP>
  <SYSTEM INITIALIZE>

EXIT
```

- **SYSTEM INFORMATION**
Shows System information such as current firmware version and communication settings.
- **DISPLAY SETUP**
Enable/Disable of OSD display on Main Screen.
- **MOTION SETUP**
Setup for motion related settings
- **FUNCTION SETUP**
Setup for various functions such as Preset, Auto Pan, Pattern, Scan and Schedule.
- **CAMERA SETUP**
Configure Camera related functions and data
- **SYSTEM SETUP**
Configure for Basic system setup.
- **SYSTEM INITIALIZE**
Initializes system configuration and sets all data to factory default configuration.

SYSTEM INFORMATION

```
SYSTEM INFORMATION
-----
FIRMWARE VER    1.0250
COLOR SYSTEM    NTSC
PROTOCOL        SAMSUNG
BAUD RATE       9600
ADDRESS         255

-> BACK
EXIT
```

- **FIRMWARE VER.**
Shows current firmware version of camera.
- **COLOR SYSTEM**
Shows current analog video system of the camera.
- **PROTOCOL** Shows current Protocol for PTZ control
- **BAUD RATE** Shows current Baud rate of PTZ control.
- **ADDRESS** Shows current Camera ID for PTZ control.

DISPLAY SETUP

```
DISPLAY SETUP
-----
-> CAMERA ID      ON
  PTZ INFORMATION AUTO
  ACTION TITLE   AUTO
  RESET LABEL    AUTO
  ALARM I/O      AUTO
  DATE/TIME      ON
  <PRIVACY ZONE>
  TEMPERATURE    CELSIUS
  BACK
  EXIT
```

This menu defines Enable/Disable of OSD display on Main Screen. If an item is set to be AUTO, the item is displayed only when the value of it is changed.

- **CAMERA ID** [ON/OFF]
- **PTZ INFORMATION** [ON/OFF/AUTO]
- **ACTION TITLE** [ON/OFF/AUTO]
- **PRESET LABEL** [ON/OFF/AUTO]
- **ALARM I/O** [ON/OFF/AUTO]
- **DATE/TIME** [ON/OFF]
- **TEMPERATURE** [CELSIUS/FAHRENHEIT/OFF]

ENG

How to use OSD Menu

PRIVACY ZONE MASK SETUP


```
PRIVACY ZONE
-----
->MASK NO.      1
                UNDEFINED
DISPLAY         OFF
CLEAR MASK     CANCEL
<EDIT MASK>

BACK
EXIT
```

Select area in image to mask.

- MASK NO. [1~4]
Select Mask number. If the selected mask has already data, camera moves as it was set. Otherwise, "UNDEFINED" will be displayed under "Mask NO".
- DISPLAY [ON/OFF]
Sets if camera makes mask shows or not on images.
- CLEAR MASK [CANCEL/OK]
Deletes data in the selected MASK NO.

❖ Privacy Zone Size Adjustment

```
EDIT MASK 1
-----

[←→:ADJUST MASK WIDTH]
[↑↓:ADJUST MASK HEIGHT]
[NEAR:SELECT/ FAR:CANCEL]
```


Adjust mask size. Use joystick or arrow buttons to adjust mask size.

- ←→(Left/Right) Adjusts mask width.
- ↑↓(Up/Down) Adjusts mask height.

✎ It is noted that during PAN/TILT control like jog action, the object behind the privacy mask can be disclosed in a short period of time.

✎ To hide a certain zone completely regardless of high speed PT motions, it is recommended that the size of mask must be 20% bigger than original target size

❖ Privacy Zone Area Setup

```
EDIT MASK 1
-----

MOVE TO TARGET POSITION
[NEAR:SELECT/FAR:CANCEL]
0/0/x1/N
```

Move camera to area to mask. Then the menu to adjust mask size will be displayed.

MOTION SETUP

```
MOTION SETUP
-----
->PRESET LOCK      ON
PWR UP ACTION      ON
AUTO FLIP          ON
JOG MAX SPEED      140/SEC
JOG DIRECTION       NORMAL
FRZ IN PRESET      OFF
<PARKING ACTION SETUP>
<ALARM INPUT SETUP>
BACK
EXIT
```

Setup the general functions of Pan/Tilt motions.

- PRESET LOCK [ON/OFF]

This function is made to protect preset data from unauthorized overwriting. If Preset Lock is ON, it is impossible to create and delete Preset, Auto Pan, Pattern and Scan. It is only possible to run those functions. To create and delete those functions, use OSD menu.

- POWER UP ACTION [ON/OFF]

Refer to "Other Functions" section.

How to use OSD Menu

- **AUTO FLIP** [ON/OFF]
Refer to "Other Functions" section.
- **JOG MAX SPEED** [2°/sec ~360°/sec]
Sets maximum jog speed. Jog speed is inversely proportional to zoom magnification. As zoom magnification goes up, pan/tilt speed goes down.
- **JOG DIRECTION** [INVERSE/NORMAL]
If you set this to 'Normal', the view in the screen is moving same direction with jog tilting. If 'Inverse' is selected, the view in the screen is moving reversely.
- **FREEZE IN PRESET** [ON/OFF]
At start point of preset movement, camera starts freezing the image of start point. Camera keeps displaying the image of start point during preset movement and does not display the images which camera gets during preset movement. As soon as camera stops at preset end point, camera starts displaying live images which it gets at preset end point.
This function availability should be different by models.

❖ Parking Action Setup

PARKING ACTION SETUP			
→ PARK	ENABLE	OFF	
WATT	TIME	00:10:00	
PARK	ACTION	HOME	
BACK			
EXIT			

If Park Enable is set to ON, camera runs assigned function automatically if there is no PTZ command during assigned "Wait Time".

- **PARK ENABLE** [ON/OFF]
- **WAIT TIME** [5 seconds ~ 4 hour]
The time is displayed with "hh:mm:ss" format and you can change this by 1 min unit.
- **PARK ACTION** [HOME/PRESET/PATTERN/AUTO PAN/SCAN]

Ex) If HOME is selected for Park Action, camera will move to home position when there is no PTZ command during assigned "Wait Time."

❖ Alarm Input Setup

ALARM INPUT SETUP			
→ ALARM1	N.O	PRESET1	
ALARM2	N.C	NOT USED	
BACK			
EXIT			

Match the Alarm sensor input to one of Preset positions. If an external sensor is activated, camera will move to corresponding preset position when this item is predefined.

- **ALARM TYPE**
[Normal OPEN(N.O) / Normal CLOSE(N.C)]
Sets sensor input type.
- **ALARM ACTION**
[NOT USED/HOME/PRESET 1~128/SCAN 1~8, PATTERN1~4, SCAN 1~4]

For each Alarm input, you can assign counteraction functions (Preset, Auto Pan, Pattern and Scan).

FUNCTION SETUP

FUNCTION SETUP	
→ <PRESET SETUP>	
<AUTO PAN SETUP>	
<PATTERN SETUP>	
<SCAN SETUP>	
<SCHEDULE SETUP>	
BACK	
EXIT	

Configure 5 Special Functions with this menu

- **PRESET SETUP**
127 Presets from the number 1 to 128 can be assigned excluding preset 95 reserved for Menu.

ENG

How to use OSD Menu

• AUTO PAN SETUP

Up to 8 Auto Pans are available, which makes camera to move slowly between two preset points.

• PATTERN SETUP

Up to 4 patterns can be stored in the dome.

In this function, path data created by manual move of Joystick are recorded and you can playback the identical path automatically whenever required.

• SCAN SETUP

Up to 8 Scans can be defined.

In a Scan, max 20 entities are assigned from any combinations of Preset/Auto Pan/Pattern. If you run a Scan, camera will execute each entry sequentially.

• SCHEDULE SETUP

7 rules of Schedule can be assigned by day and time. Appropriate actions (such as Home, Preset, Auto Pan, Pattern and Scan) can be defined for each rule. Also, it is possible to use Weekday and Weekend in a rule to make it simple.

• CAM ADJUST [GENERAL/SPECIAL]

WB(White Balance) and AE(Auto Exposure) can be set up independently for each preset. There are 2 modes, "General" mode & "Special" mode. The General mode means that WB or AE can be set up globally for all presets in "CAMERA SETUP" menu.

The Special mode means that WB or AE can be set up independently or separately for each preset in each preset setup menu. Each Special WB/AE value will be applied when camera arrives to the preset location. During jog operation, General WB/AE value should be applied.

All Special WB/AE value will not be affected by General WB/AE value changes. If "Special" is selected, Menu to set WB/AE shows on monitor. Its default is GENERAL.

• ALARM OUT

Relay Output can be linked with Preset run.

The character "-" means disable while the number "1" representing each bit means ON.

Ex) If it is set to "1", Output relay will be ON whenever you call this Preset.

PRESET SETUP

```
PRESET SETUP
-----
-> PRESET NO.      1

<EDIT SCENE>
<LABEL>           NORTH GATE
CLR PRESET        CANCEL
CAM ADJUST        GENERAL
ALARM OUT         -

BACK
EXIT
```

• PRESET Number [1~128]

If a selected preset is already defined, camera moves to pre-defined position and preset characteristics such as Label and Relay Outputs show on monitor.

If a selected preset is not defined, "UNDEFINED" shows on monitor.

• EDIT PRESET SCENE

Redefine current Preset scene position (i.e. PTZ).

• EDIT PRESET LABEL

Edits Label to show on monitor when preset runs. MAX. 10 alphabets are allowed.

• CLEAR PRESET [CANCEL/OK]

Delete current Preset data

❖ Edit Preset Scene

```
EDIT SCENE - PRESET 1
-----

MOVE TO TARGET POSITION
[NEAR:SELECT/ FAR:CANCEL]
0/0/x1/N
```

① Using Joystick, move camera to desired position.

② By pressing **NEAR** or **ENTER** key, save current PTZ data.

③ Press **FAR** key to cancel.

How to use OSD Menu

❖ Edit Preset Label

LABEL - PRESET 1

→ []

1234567890 OK
 ABCDEFGHIJ CANCEL
 KLMNOPQRST
 UVWXYZabcd
 efghijklmn
 opqrstuvwxyz
 yz<>-/:. ←

- ① Edits label to show on monitor when camera arrives at presets. In Edit Label menu, a reverse rectangular is cursor. As soon as finishing selecting alphabet, cursor moves to the next digit.



- ② Using **Left/Right/Up/Down** of joystick, move to an appropriate character from the Character set. To choose that character, press the **NEAR** or **ENTER** key.

1234567890
 ABCDEFGHIJ
 KLMNOPQRST
 UVWXYZabcd
 efghijklmn
 opqrstuvwxyz
 yz<>-/:. ←

Space Char. Back Space Char.

If you want to use blank, choose Space character (" "). If you want to delete a character before, use back space character ("←").

- ③ If you complete the Label editing, move cursor to "OK" and press **NEAR** or **ENTER** key to save completed label. To abort current change, move cursor to "Cancel" and press **NEAR** or **ENTER** key.

AUTO PAN SETUP

AUTO PAN SETUP

→ APAN NO. 1
 1ST POS. NOT USED
 2ND POS. NOT USED

APAN SPEED 30/SEC
 CLEAR APAN CANCEL

BACK
 EXIT

- APAN Number [1~8]
 Selects Auto Pan number to edit. If a selected Auto Pan has not defined, "NOT USED" is displayed in 1st Position and 2nd Position
- 1ST POSITION [PRESET 1~128]
- 2ND POSITION
 Set up the 2 position for Auto Pan function. If a selected preset is not defined, "UNDEFINED" will be displayed as shown below.

AUTO PAN SETUP

APAN NO. 1
 1ST POS. PRESET5
 2ND POS. NOT USED
 UNDEFINED

When Auto Pan function runs, camera moves from the preset assigned as the 1st point to the preset assigned as the 2nd point in CW (Clockwise) direction. Then camera moves from the preset assigned as the 2nd point to the preset assigned as the 1st point in CCW (Counterclockwise) direction. In case that the preset assigned as the 1st point is same as the preset assigned as the 2nd point, camera turns on its axis by 360° in CW direction and then it turns on its axis by 360° in CCW direction.

- APAN SPEED [1°/sec ~ 180°/sec]
 Sets Auto Pan speed from 1°/sec to 180°/sec.
- CLEAR APAN [CANCEL/OK]
 Deletes current Auto Pan data.

ENG

How to use OSD Menu

- ② Note that MAX. 20 Functions are allowed in a Scan. Move cursor **up/down** and press **NEAR** or **ENTER** key to set up.

EDIT SCAN 1			
NO.	ACTION	NO.	DWELL OPT
→ 1	NONE		
2	NONE		
3	NONE		
4	NONE		
5	NONE		
SAVE		[NEAR:EDIT ACT]	
CANCEL		[FAR :EDIT END]	

- ③ Set up Action, Dwell time and Option. Note that selected item is displayed in reverse. Move cursor **Left/Right** to select items and move cursor **Up/Down** to change each value.

EDIT SCAN 1			
NO.	ACTION	NO.	DWELL OPT
1	NONE		
2	NONE		
3	NONE		
4	NONE		
5	NONE		
SAVE		[←→:MOVE CURSOR]	
CANCEL		[↑↓:CHANGE VAL.]	

- ACTION NO.
[NONE/PRESET/AUTO PAN/PATTERN]
- DWELL [1 second ~ 4 minutes]
Sets Dwell Time between functions
- OPT
Option. It represents preset speed (2~360) when preset is selected. It should be the number of repetition (1~255) when Pattern or Auto Pan is selected for Action

- ④ Set up items such as Action, NO., Dwell and OPT.

EDIT SCAN 1			
NO.	ACTION	NO.	DWELL OPT
1	PRESET	1	00:03 360
2	NONE		
3	NONE		
4	NONE		
5	NONE		
SAVE		[←→:MOVE CURSOR]	
CANCEL		[↑↓:CHANGE VAL.]	

- ⑤ After finishing setting up an Action, press **NEAR** or **ENTER** key to one-upper-level menu (Step ②). Move cursor **Up/Down** to select Action number and repeat Step ② ~ Step ④ to edit selected Scan.

EDIT SCAN 1			
NO.	ACTION	NO.	DWELL OPT
→ 1	PRESET	1	00:03 360
2	NONE		
3	NONE		
4	NONE		
5	NONE		
SAVE		[NEAR:EDIT ACT]	
CANCEL		[FAR :EDIT END]	

- ⑥ After finishing setting up all Actions, press **FAR** key to exit. Then cursor should be moved to "SAVE." Press **NEAR** or **ENTER** key to save data.

EDIT SCAN 1			
NO.	ACTION	NO.	DWELL OPT
1	PRESET	1	00:03 360
2	NONE		
3	NONE		
4	NONE		
5	NONE		
→SAVE			
CANCEL			

ENG

How to use OSD Menu

SCHEDULE SETUP

```

SCHEDULE SETUP
-----
MASTER ENABLE          ON
DAY TIME ACT NO ON
->1 UNDEFINED
2 UNDEFINED
3 UNDEFINED
4 UNDEFINED
5 UNDEFINED
6 UNDEFINED
7 UNDEFINED
BACK
    
```

- MASTER ENABLE [ON/OFF]
Decide whether Schedule function is active or not.
- CLEAR SCHEDULE [CANCEL/OK]
Delete all data in current Menu
- EDIT SCHEDULE Start editing Schedule.

❖ Edit Schedule

- ① After move the Cursor to the number by using **Up/Down** keys, press "**Near**"(Enter) Key to edit.

```

SCHEDULE SETUP
-----
MASTER ENABLE          ON
DAY TIME ACT NO ON
->1 UNDEFINED
2 UNDEFINED
3 UNDEFINED
4 UNDEFINED
5 UNDEFINED
6 UNDEFINED
7 UNDEFINED
BACK
    
```

- ② Each field can be selected by **Left/Right** keys and the values in the field are changed using **Up/Down** keys.

```

SCHEDULE SETUP
-----
MASTER ENABLE          ON
DAY TIME ACT NO ON
->1 [MON] 00:00 HOM OFF
2 UNDEFINED
3 UNDEFINED
4 UNDEFINED
5 UNDEFINED
6 UNDEFINED
7 UNDEFINED
BACK
    
```

The meaning of each value:

DAY Days: MON > TUE > WED> THU > FRI > SAT > SUN

WKD: Weekday

ALL: All days(Everyday)

TIME 24hour Format

ACT PRS(Preset), AUP(Auto Pan), PTN(Pattern), SCN(Scan), HOM(Home)

ON/OFF Decide to make this rule effective or not

If you finish a rule, press **NEAR** or **ENTER** key to select another rule.

Repeat this procedure to fill up the schedule in mind.

③ Example

- The second rule means camera will move to Preset 12 position at 7:35 on every Wednesday.

```

SCHEDULE SETUP
-----
MASTER ENABLE          ON
DAY TIME ACT NO ON
->1 MON 01:20 HOM ON
2 WEN 07:35 PRS 12 ON
3 THU 11:40 SCN 3 ON
4 SAT 15:17 PAT 1 ON
5 WEK 23:00 HOM ON
6 UNDEFINED
7 UNDEFINED
BACK
    
```

* Note: If there are rules conflicts to each other, the higher number is, the higher priority has.

* Note: If you assign undefined function, there will be no action.

How to use OSD Menu

CAMERA SETUP

ZOOM CAMERA SETUP		

→ FOCUS MODE	SEMAUTO	
DIGITAL ZOOM	ON	
IMAGE FLIP	OFF	
<WHITE BALANCE SETUP>		
<AUTO EXPOSURE SETUP>		
BACK		
EXIT		

Setup the general functions of zoom camera module.

- FOCUS MODE [AUTO/MANUAL/SEMAUTO]
Sets camera focus mode.

– SEMIAUTO Mode

This mode exchanges focus mode automatically between Manual Focus mode and Auto Focus mode. Manual Focus mode activates in preset operation and Auto Focus mode activates when jog operation starts.

With Manual mode at presets, Focus data is memorized in each preset in advance and camera calls focus data in correspondence with presets as soon as camera arrives at a preset.

- DIGITAL ZOOM [ON/OFF]
Sets digital zoom function to ON/OFF. If this is set to OFF, optical zoom function runs but zoom function stops at the end of optical zoom magnification.
- IMAGE FLIP [ON/OFF]
To display Upside down image.

❖ White Balance Setup

WB SETUP		

→ WB MODE	AUTO	
- RED ADJUST	---	
- BLUE ADJUST	---	
BACK		
EXIT		

- WB MODE [AUTO/MANUAL]
In Manual mode, Red and Blue level can be set up manually

- RED ADJUST [10~60]
- BLUE ADJUST [10~60]

❖ Auto Exposure Setup

AE SETUP	

→ BACKLIGHT	OFF
DAY/NIGHT	AUTO1
BRIGHTNESS	25
IRIS	AUTO
SHUTTER	ESC
AGC	NORMAL
DNR	MIDDLE
SENS-UP	OFF
BACK	
EXIT	

- BACKLIGHT [OFF/LOW/MIDDLE/HIGH]
Sets Backlight Compensation
- DAY/NIGHT [AUTO1/AUTO2/DAY/NIGHT]
AUTO1 exchanges Day/Night mode faster than AUTO2.
- BRIGHTNESS [0~100]
Adjusts brightness of images. Iris, Shutter Speed and Gain are adjusted automatically in correspondence with this value.
- IRIS [AUTO/MANUAL(0~100)]
If Iris is set to Auto, Iris should have highest priority in adjusting AE and Shutter Speed should be fixed.
If Iris is set to Manual, Iris should be fixed and Iris has lower priority in adjusting AE, in comparison with others.
- SHUTTER Speed [ESC/A. Flicker/Manual(×128~1/120000 sec)]
If Iris is set to Manual and Shutter Speed is set to ESC, Shutter Speed should have highest priority. If Shutter Speed is set to A. Flicker, to remove Flicker, Shutter Speed should be set to 1/100 sec. for NTSC and 1/120 for PAL.
- AGC [OFF/NORMAL/HIGH]
Enhances image brightness automatically in case that luminance level of image signal is too low.
- DNR [OFF/LOW/MIDDLE/HIGH]
Enhances images by deducting noises when gain level of images is too high.

ENG

How to use OSD Menu

- SENS-UP [AUTO(2~128)/OFF]

Activates Slow Shutter function when luminance of image (signal) is too dark.

It is possible to set up the maximum number of frames piled up one on another by Slow Shutter function.

in the field are changed using **Up/Down** keys. To save the updated data, press the **NEAR** or **ENTER** key again

✳ It is noted that the range of date setup is limited from 01/JAN/2000 to 31/DEC/2037.

SYSTEM SETUP

SYSTEM SETUP

-> <DATE/TIME SETUP>
 <RELAY TYPE>
 <PASSWORD>
 <SET HOME POSITION>
 <SET NORTH DIRECTION>
 LANGUAGE ENGLISH
 <FAN/HEATER SETUP>

BACK
EXIT

- SYSTEM SETUP

You can set up DATE/TIME, RELAY TYPE, PASSWORD, HOME POSITION, NORTH POSITION.

✳ <FAN/HEATER SETUP> menu is only available in C7325 model.

DATE/TIME SETUP

-> DATE 01/JAN/2008 (TUE)
 TIME 00:00:01 (H/M/S)

BACK
EXIT

- DATE

Date is displayed in dd/mm/yyyy format. The day is automatically calculated when you set the date.

- TIME

Time is displayed in HH:MM:SS format.

- DATE/TIME SETUP

After you press the **NEAR** or **ENTER** key, each field can be selected by **Left/Right** keys and the values

RELAY TYPE SETUP

-> RELAY1 NORMAL OPEN

BACK
EXIT

- RELAY TYPE SETUP

Contact types of 1 Ch. RELAY OUTPUTS are defined. (NORMAL OPEN / NORMAL CLOSE)

NORMAL OPEN

NORMAL CLOSE

EDIT PASSWORD

-> [■]
 1234567890 OK
 ABCDEFGHIJ CANCEL
 KLMNOPQRST
 UVWXYZabcd
 efghijklmn
 opqrstuvwxyz
 yz<>-/:.←

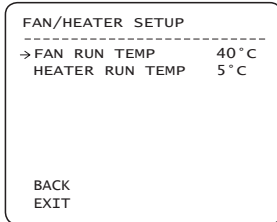
DISABLE

- PASSWORD SETUP

You can define 4 characters long password. If this function is set to **ENABLE**, it is required to type this password whenever to enter OSD MENU.

It is noted that MASTER PSSWORD : "4321"

How to use OSD Menu



- FAN RUN TEMP

Above this temperature, the blower fan will start automatically.

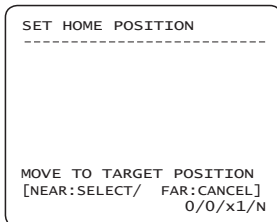
Range: 30°C ~ 80°C (86°F ~ 176°F)

- HEATER RUN TEMP

Bellow this temperature, the Heater will be tuned on automatically.

Range: -10°C ~ 20°C (14°F ~ 68°F)

✎ FAN and HEATER are only available in C7325 model.



- SET HOME POSITION

Home Position means the origin of PAN angle calculation. The value of PAN angle displayed on the screen is based on this Home Position.

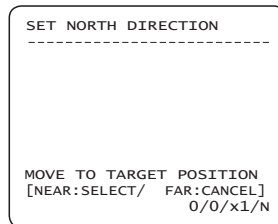
By using Joystick, move the camera to the desired position and press ENTER (NEAR/SAVE).

It is noted that Home is not effective to Tilt angle.

If you change the location of Home position, all horizontal locations of functions such as preset, pattern, scan, auto pan, and privacy zone mask will be shifted based on changed Home position.

* Set Home Position?

When you replace the camera block or the orientation of camera is changed due to maintenance operations, it is very difficult to maintain same pan orientation. Therefore, all function data depending on pan orientation such as preset, pattern, scan, auto pan, and privacy zone mask are not useful any more accordingly. However, even in this case, you can reuse the data if you redefine Set Home Position on the previous Home position. It is recommendable to memorize the target scene of current Home position.



- SET NORTH DIRECTION

You can set up North direction.

By using Joystick, move the camera to the desired NORTH position and press **ENTER** (NEAR/SAVE).

The direction will be displayed in the screen

[PAN AXIS / TILT AXIS / ZOOM / DD]

DD is direction and will be displayed from:

N/NE/E/SE/S/SW/W/NW

ENG

How to use OSD Menu

• LANGUAGE

You can select a preferred Language of OSD display from 7 choices.

[ENGLISH/ ESPAÑOL/ FRANÇAIS/ DEUTSCH/
ITALIANO/ РУССКИЙ/ PORTUGUÊS]

After selecting a language, press **ENTER**(NEAR) key.

SYSTEM INITIALIZE

SYSTEM INITIALIZE	

-> CLEAR ALL DATA	NO
■ CLR DISPLAY SET	NO
■ CLR CAMERA SET	NO
■ CLR MOTION SET	NO
■ CLR FUNCTION SET	NO
REBOOT CAMERA	NO
REBOOT SYSTEM	NO
BACK	
EXIT	

• CLEAR ALL DATA

Deletes all configuration data such as display, camera and motion setup and so on.

• CLEAR DISPLAY SET

Initializes Display Configuration

• CLEAR CAMERA SET

Initializes Camera Configuration

• CLEAR MOTION SET

Initializes Motion Configuration

• CLEAR FUNCTION SET

Deletes Preset Data, Auto Pan Data, Pattern Data, Scan Data and Schedule Data

• REBOOT CAMERA

Reboots Zoom Camera module

• REBOOT SYSTEM

Reboots Smart Dome Camera

❖ Initial Configuration Table

• Display Configuration	
Camera ID	ON
PTZ Information	AUTO
Action Title	AUTO
Preset Label	AUTO
Alarm I/O	AUTO
Date/Time	ON
Temperature	CELSIUS
Set North Direction	Pan 0°
Privacy Zone	Undefined

• Motion Configuration	
Preset Lock	OFF
Power Up Action	ON
Auto Flip	ON
Jog Max Speed	140°/sec
Jog Direction	NORMAL
Freeze In Preset	OFF
Park Action	OFF
Alarm I/O Action	OFF

• Communication Setup	
Protocol	AUTO
Baud Rate	9600

How to use OSD Menu

• Camera Configuration

Focus Mode	SEMI-AUTO
Digital Zoom	ON
Image Flip	OFF
White Balance	AUTO
Back Light	OFF
Day/Night	AUTO1
Brightness	25
IRIS	AUTO
Shutter	ESC
AGC	NORMAL
DNR	MIDDLE
SENS-UP	OFF

• Function Data

Preset 1~128	Undefined
Auto Pan 1~8	Undefined
Pattern 1~4	Undefined
Scan 1~8	Undefined
Schedule 1~7	Undefined

ENG

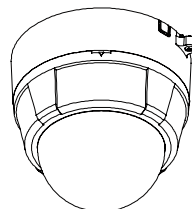
Specifications

SPECIFICATIONS

Model		SCC-C6323N/P																																																													
Video Signal System		NTSC			PAL																																																										
Camera	CCD	1/4" Interline Transfer CCD																																																													
	Max. Pixels	811(H)×508(V) 410K			795(H)×596(V) 470K																																																										
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	Dimension	Dome	ø100.5																																																												
Housing		ø142 × 126(H) mm																																																													
Weight	about 0.6 Kg																																																														
Operating Temp.	-10°C ~ 50°C																																																														

❖ Appearance

- Main Unit



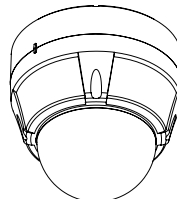
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Video Signal System		NTSC		PAL																														
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Operating Temp.	-10°C ~ 50°C																																	

❖ Appearance

- Main Unit



ENG

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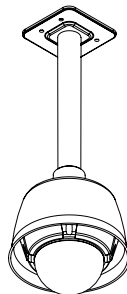
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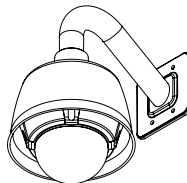
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	Rated Power**	AC 24V / DC 12V Dual Voltage																																																												
	Power Consumption	AC24V: Heater Off(10W) / On(21W) DC12V: Heater Off(8W) / On(12W)																																																												
	Dimension	Dome		ø115																																																										
Housing		ø200 x 206(H) mm																																																												
Weight	about 2.4 Kg																																																													
Operating Temp.	-40°C ~ 50°C (Fan & Heater Built-in type)																																																													

❖ Appearance

- Ceiling Mount



- Wall Mount



* Specifications of this product can be subjected to change without notice.

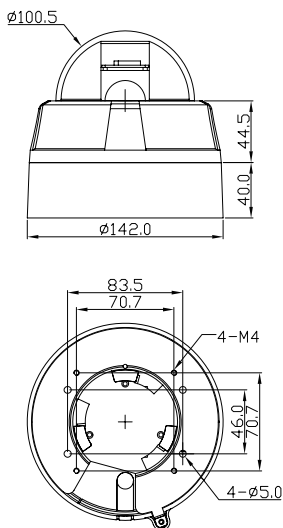
** Check the voltage and current capacity of rated power carefully.

Specifications

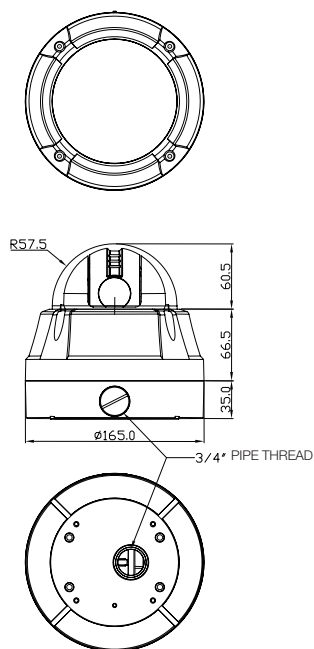
DIMENSION

Unit (mm)

❖ SCC-C6323



❖ SCC-C6325



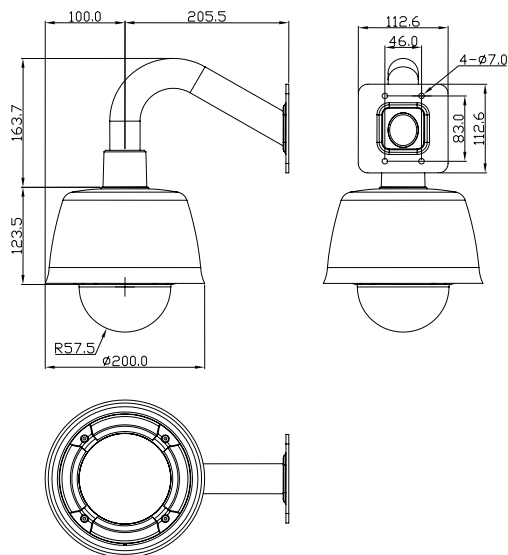
ENG

Specifications

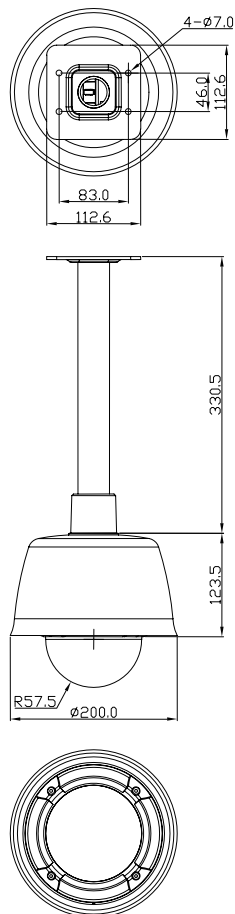
Unit (mm)

❖ SCC-C7325

• Wall Mount Bracket



• Ceiling Mount Bracket





Correct Disposal of This Product (Waste Electrical & Electronic Equipment)

(Applicable in the European Union and other European countries with separate collection systems)

This marking on the product, accessories or literature indicates that the product and its electronic accessories (e.g. charger, headset, USB cable) should not be disposed of with other household waste at the end of their working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be mixed with other commercial wastes for disposal.